



TFW 3747

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of Reiner HEIGL

Appln. No.: 10/536,682

Filed: November 10, 2005

Art Unit: 3747

For: VALVE SEAT AND METHOD FOR PRODUCING A VALVE SEAT

Attorney Docket No.: 3926.176

Customer No.: 30448

CERTIFICATE UNDER 37 CFR 1.8(a)

I hereby certify that this correspondence is being deposited either by facsimile to 571-273-8300 or with the U.S. Postal Service as First Class mail in an envelope addressed to Mail Stop Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on June 29, 2006.

*Yonghong Chen*  
Yonghong Chen

Reg. No. 56,150

**INFORMATION DISCLOSURE STATEMENT  
UNDER 37 C.F.R. §1.97 and §1.98**

**Mail Stop Amendment**  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. §1.56, Applicants hereby notify the U.S. Patent and Trademark Office of the following documents for the above-identified application. Copies of the non-US documents set forth below and listed on the attached Form PTO/SB/08A, copy of an International Search Report (ISR) and an International Preliminary Examination Report (IPER) issued in the corresponding PCT application as well as a German Examination Report are provided herewith.

1. US 4,723,518
2. US 5,586,530
3. GB 2 002 849
4. US 4,530,322
5. US 4,836,848
6. US 2001/0001641 A1
7. US 4,606,883
8. US 4,485,147
9. US 6,397,464
10. GB 1 290 986

A concise explanation of relevancy for each non-English document cited in the ISR is provided below:

**Document 3**

It is indicated in the ISR that page 1, lines 5- & lines 66-109 and Fig. 1 of document 3 are "X" and "A" category relevant to claims 1, 6, 7, and 10-12 of the present invention, respectively.

**Document 6**

Document 6 is an English language equivalent application of EP 0 939 139 A cited in the ISR. It is indicated in the ISR that paragraphs '0001!, '0010!, '0022! of EP 0 939 139 A is "Y" and "A" category relevant to claims 8 and 13-14 of the present invention, respectively.

**Document 9**

Document 9 is an English language equivalent application of DE 199 12 889 A1 cited in the German Examination Report.

**Document 10**

Document 10 is an English language equivalent application of CH 513 325 A cited in the German Examination Report.

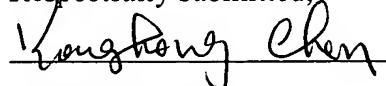
The present Information Disclosure Statement is being filed before the mailing date of the first Office Action on the merits, therefore no Certification Under 37 C.F.R. §1.97(e) or fee under 37 C.F.R. §1.17(p) is required.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicants do not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

Applicants respectfully request that the listed documents be considered by the Examiner and be made of record in the present application and that an initialed copy of Form PTO-1449 be returned in accordance with MPEP §609.

**Date: June 29, 2006**

Respectfully submitted,



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Substitute for form 1449/PTO

# INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

## Complete If Known

|                      |                   |
|----------------------|-------------------|
| Application Number   | 10/536,682        |
| Filing Date          | November 10, 2005 |
| First Named Inventor | Reiner HEIGL      |
| Art Unit             |                   |
| Examiner Name        |                   |
| Attorney Docket No.  | 3926.137          |

Sheet 1 of 1

## U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Document Number<br>Number-Kind Code <sup>2</sup> (if Known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear  |
|--------------------|-----------------------|---|--------------------------------|--|--|
|                    |                       | US- 4,723,518   | 02-09-1988                     | KAWASAKI ET AL.                                    | C. 1, l. 8-13; C. 4, l. 9-12; C. 6, l. 65 - C. 7, l. 15; C. 9, l. 55 - C. 10, l. 31; Figs. 1-3                                   |
|                    |                       | US- 5,586,530   | 12-24-1996                     | ADACHI ET AL.                                      | C. 1, l. 7-9; C. 6, l. 56-58; C. 7, l. 37-41; C. 7, l. 5-29; C. 7, l. 65 - C. 8, l. 22; Figs. 13D, 16, 17                        |
|                    |                       | US- 4,530,322   | 07-23-1985                     | YAMADA ET AL.                                      | C. 1, l. 47-50; C. 2, l. 62-65; C. 3, l. 16-18; C. 23, l. 66 - C. 4, l. 12; C. 6, l. 61 - C. 7, l. 14; C. 7, l. 26-32 & l. 43-54 |
|                    |                       | US- 4,836,848   | 06-06-1989                     | MAYAMA ET AL.                                      | C. 1, l. 45-51   |
|                    |                       | US- 2001/0001641 A1   | 05-24-2001                     | NINOMIYA ET AL.                                    | See the letter   |
|                    |                       | US- 4,606,883   | 08-19-1986                     | WIZEMANN ET AL.                                    | C. 1, l. 5-9; C. 2, l. 3-25  |
|                    |                       | US- 4,485,147   | 11-27-1984                     | NISHINO ET AL.                                     | C. 1, l. 9-12; C. 2, l. 19-36  |
|                    |                       | US- 6,397,464   | 06-04-2002                     | HEIGL ET AL.                                       | See the letter   |

## NON-PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published | T <sup>2</sup> |
|--------------------|-----------------------|---|----------------|
|                    |                       |   |                |
|                    |                       |   |                |

## FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. <sup>1</sup> | Foreign Patent Document<br>Country Code <sup>3</sup> Number <sup>4</sup> (if known) | Publication Date<br>MM-DD-YYYY | Name of Patentee or<br>Applicant of Cited Document | Pages, Columns, Lines, Where<br>Relevant Passages or Relevant<br>Figures Appear | T |
|--------------------|-----------------------|---|--------------------------------|--|---|---|
|                    |                       | GB 2 002 849  | 02-28-1979                     | MASCHF AUGSBURG<br>NUERNBERG AG                    | See the letter  | N |
|                    |                       | GB 1 290 986  | 09-27-1972                     | SULZER BROTHERS<br>LIMITED                         | See the letter  | N |
|                    |                       |   |                                |  |   |   |
|                    |                       |   |                                |  |   |   |

|                    |                 |
|--------------------|-----------------|
| Examiner Signature | Date Considered |
|--------------------|-----------------|

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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